

Application Note 114A

Simulating An Active/Wet PSTN 2 Wire Line and Connecting Two Modems

Converting a Dry or Inactive Line (no voltage or current) to a Wet or Active Line for a point-to-point modem connection or bench test. Tip and Ring have no polarity; either can be interchanged or crossed. The combination of Voltage and Resistance should produce a current of between 20ma and 80ma. We recommend 600oms at 24 VDC. The capacitor provides an AC path across the power supply or batteries. If a power supply is used, it should be a separate floating supply with AC ground isolated at the wall plug.

To connect modem 1 to modem 2: Designate one the Originate and the other Answer. Issue an ATD (CR) to be the Originating Modem while simultaneously, or within the time bounds of S7, issue an ATA (CR) to the Answering Modem. The Modem will then connect.

